JAN 1 2 2006

Date of Approval:



FREEDOM OF INFORMATION SUMMARY

NADA 141-007

DRONTAL Plus TASTE TABS

(praziquantel/pyrantel pamoate/febantel)

Broad Spectrum Chewable Anthelmintic Tablets for Dogs

- 1) For the removal of Tapeworms (Dipylidium caninum, Taenia pisiformis, Echinococcus granulosus, and removal and control of Echinococcus multilocularis).
- 2) For the removal of Hookworms (Ancylostoma caninum, Uncinaria stenocephala), Ascarids (Toxocara canis, Toxascaris leonina) and Whipworms (Trichuris vulpis) in dogs.

Sponsored by:

Bayer HealthCare LLC

Animal Health Division

P.O. Box 390

Shawnee Mission, Kansas 66202

FREEDOM OF INFORMATION SUMMARY

1. GENERAL INFORMATION:

a. File Number:

NADA 141-007

b. Sponsor:

Bayer HealthCare LLC Animal Health Division

P.O. Box 390

Shawnee Mission, KS 66201

Drug Labeler Code: 000859

c. Established Name:

praziquantel/pyrantel pamoate/febantel

d. Proprietary Name:

DRONTAL Plus TASTE TABS

e. Dosage Form:

Chewable Tablet

f. How Supplied:

DRONTAL Plus TASTE TABS are supplied in blister packs

by the carton as follows:

Puppies and Small Dogs: 4 strips of 10 tablets

(40 tabs/carton)

Medium Sized Dogs: 4 strips of 10 tablets (40 tabs/ carton)

Large Dogs: 3 strips of 10 tablets (30 tabs/carton)

g. How Dispensed:

Rx

h. Amount of Active Ingredients: Each tablet for Puppies and Small Dogs contains:

22.7 mg praziquantel, 22.7 mg pyrantel base as

pyrantel pamoate, and 113.4 mg febantel.

Each tablet for Medium Dogs contains: 68.0 mg praziquantel, 68.0 mg pyrantel base as pyrantel

pamoate, and 340.2 mg febantel.

Each tablet for Large Dogs contains: 136.0 mg praziquantel, 136.0 mg pyrantel base as pyrantel

pamoate, and 680.4 mg febantel.

i. Route of Administration:

Oral

j. Species/Class:

Canine

k. Recommended Dosage: The presence of parasites should be confirmed by laboratory fecal examination. Weigh the animal before treatment. Administer the proper dosage as specified in the following table as a single treatment.

DRONTAL Plus TASTE TABS Dosage Chart

Puppies/Small Dogs* (2 – 25 lbs)		Medium Sized Dogs (26 – 60 lbs)		Large Dogs (45 lbs and greater)	
Body Wt. (lbs)	Taste Tabs	Body Wt. (lbs)	Taste Tabs	Body Wt (lbs)	Taste Tabs
2 - 4	0.5	26 – 30	1.0	45 – 60	1.0
5-7	1.0	31 – 44	1.5	61 – 90	1.5
8 – 12	1.5	45 – 60	2.0	91 – 120	2.0
13 – 18	2.0				
19 – 25	2.5				

^{*}Not for Use in Puppies Less Than 3 Weeks of Age or Dogs Weighing Less Than 2 lbs.

The tablet sizes and dosage table are designed to provide a minimum of 5.0 mg/kg (2.27 mg/lb) each of praziquantel and pyrantel base, and at least 25 mg/kg (11.35 mg/lb) febantel.

The tablets may be offered to the dog by hand. Alternatively, tablets may be given directly by mouth or offered in a small amount of food. Fasting is neither necessary nor recommended prior to or after treatment.

I. Pharmaceutical Category:

Anthelmintic

m. Indications:

DRONTAL Plus (praziquantel/pyrantel pamoate/febantel)
TASTE TABS Broad Spectrum Chewable Anthelmintic
Tablets are indicated for the removal of Tapeworms
(Dipylidium caninum, Taenia pisiformis, Echinococcus
granulosus, and removal and control of Echinococcus
multilocularis) and for removal of Hookworms
(Ancylostoma caninum, Uncinaria stenocephala), Ascarids
(Toxocara canis, Toxascaris leonina) and Whipworms
(Trichuris vulpis) in dogs.

n. Effect of Supplement:

This supplement amends the approved NADA by adding a flavored tablet formulation with the same indications.

2. EFFECTIVENESS:

The effectiveness of DRONTAL Plus TASTE TABS is based upon the existing approvals for DRONTAL Plus tablets (NADA 141-007). In addition, four well-controlled laboratory studies were conducted to confirm that the anthelmintic effectiveness of flavored DRONTAL Plus TASTE TABS is equivalent to the original unflavored formulation. One study was designed to evaluate effectiveness of the DRONTAL Plus TASTE TABS against helminths occupying the upper intestinal tract (hookworms). Three studies were conducted according to a common protocol to evaluate the effectiveness of the DRONTAL Plus TASTE TABS against helminths occupying the lower intestinal tract (whipworms). A field study was conducted to confirm palatability.

A. Evaluation of DRONTAL Plus TASTE TABS Against Hookworm Infection of Dogs, Study No. 151.657.

The purpose of this well-controlled anthelmintic study was to confirm the effectiveness of DRONTAL Plus TASTE TABS against experimental hookworm (*Ancylostoma caninum* and *Uncinaria stenocephala*) infections of dogs.

Investigator: Robyn Slone, B.S.

Professional Laboratory and Research Service

Corapeake, NC

Animals: Twenty purpose bred beagles (10 male, 10 female), $2-2\frac{1}{2}$ months of age.

Dosage Groups:

Group 1: DRONTAL Plus TASTE TABS treated according to the labeled dosage to provide at least 5 mg/kg each of praziquantel and pyrantel base plus at least 25

mg/kg febantel (10 dogs).

Group 2: Untreated (10 dogs)

Route of Administration: Oral

Frequency of Treatment: Once

Duration of Study: 35 days

Study Design: Each dog was experimentally infected with a combination of A. caninum and U. stenocephala third stage larvae on test day -28. On test day -1 the twenty dogs were randomized into two groups by sex and body weight. On test day 0 group 1 dogs were treated with DRONTAL Plus TASTE TABS according to the label dosage. Group 2 dogs were untreated. On test day 7 the animals were euthanized for recovery of all remaining hookworms.

Parameters Measured: The geometric mean number of each hookworm species/dog recovered at necropsy from both study groups was determined. Percent effectiveness was calculated by comparing the geometric mean number of worms remaining in the DRONTAL Plus TASTE TABS treated group with the geometric mean number of worms retained in the control group.

Results: Adequacy of parasite infections was confirmed in the untreated control dogs. At necropsy adult A. caninum and U. stenocephala were recovered from all 10 control dogs. (A. caninum = 8 - 24 worms/dog, geometric mean = 16.60 worms/dog; U. stenocephala = 8 - 16 worms/dog, geometric mean = 13.02 worms/dog). By contrast no A. caninum and only one U. stenocephala were recovered at necropsy from the 10 dogs treated with DRONTAL Plus TASTE TABS (geometric mean A. caninum and U. stenocephala counts of 0.0 and 0.07 worms/dog, respectively). Anthelmintic effectiveness of DRONTAL Plus TASTE TABS against A. caninum and U. stenocephala was 100 and 99.4%, respectively.

Adverse Reactions: One episode of bloody/mucoid stool occurred in a treated puppy on day 1. One episode of watery/profuse stool occurred in a treated puppy on day 3.

Conclusions: A single dose of DRONTAL Plus TASTE TABS administered orally according to the recommended dosage schedule was efficacious against helminths (i.e., A. caninum and U. stenocephala) residing in the upper intestinal tract of dogs.

B. Evaluation of DRONTAL Plus TASTE TABS Against Natural *Trichuris vulpis* Infections of Dogs, Study Nos. 151.656, 151.682, 151.696.

The effectiveness of DRONTAL Plus TASTE TABS against dogs naturally infected with *Trichuris vulpis* (whipworms) was confirmed with three studies conducted according to a common protocol by two investigators at two study locations. Data from these studies were pooled for final effectiveness confirmation.

Investigators: Dawie Kok, D.Sc (Study 151.656)

Clinvet International (Pty) Bloemfontein, South Africa

Dwight Bowman, Ph.D. (Studies 151.682, 151.696)

Cheri Hill R&D Stanwood, MI

Animals: 60 dogs with natural T. vulpis infections.

Dosage Groups:

Group 1: DRONTAL Plus TASTE TABS treated according to the labeled dosage to provide at least 5 mg/kg each of praziquantel and pyrantel base plus at least 25 mg/kg febantel (30 dogs).

Group 2: Untreated (30 dogs)

Route of Administration: Oral

Duration of Study: 35 days

Study Design: Each dog was naturally infected with *T. vulpis* as confirmed by pretreatment fecal examination. On test day -1 the dogs were randomized into two treatment groups by sex and body weight. On test day 0, group 1 dogs were treated with DRONTAL Plus TASTE TABS according to the labeled dosage. Group 2 dogs were untreated. On test day 7 the animals were euthanized for recovery of all remaining *T. vulpis*.

Parameters Measured: The geometric mean number of *T. vulpis*/dog recovered at necropsy from both study groups was determined. Percent effectiveness was calculated by comparing the geometric mean number of worms remaining in the DRONTAL Plus TASTE TABS treated group with the geometric mean number of worms remaining in the in the control group.

Results: Adequacy of parasite infections was confirmed in the untreated control dogs. At necropsy, adult *T. vulpis* were recovered from all 30 control dogs (5-560 *T. vulpis* /dog). Table 1 below lists the geometric means for the treated and control groups in each of the three studies. Data from these studies were pooled for final effectiveness confirmation. Anthelmintic effectiveness of DRONTAL Plus TASTE TABS for removal of *T. vulpis*, as calculated with compiled data from the three studies, was 90%.

Table 1: Geometric Means and Effectiveness Percentages from Three Whipworm Effectiveness Studies			
Geometric			
	Geometric	Mean of	,
,	Mean of Treated	Untreated	2
Study Number	Group	Control Group	% Effectiveness
151.656	8.65	60.64	85.74
151.682	3.95	46.87	91.57
151.696	3.93	46.25	91.50

Adverse Reactions: One dog treated with DRONTAL Plus TASTE TABS vomited its tablet dosage within minutes of treatment and was redosed. One dog treated with DRONTAL Plus TASTE TABS vomited within 18 hours of treatment. No other unusual observations or adverse events were observed in any of the dogs during the study.

Conclusions: A single dose of DRONTAL Plus TASTE TABS administered orally according to the recommended dosage schedule, was efficacious against intestinal helminths (i.e. *T. vulpis*) residing in the lower intestinal tract of dogs.

C. Clinical Evaluation of the Palatability of DRONTAL Plus TASTE TABS for Dogs, Study No. 151.551.

The purpose of this field study was to confirm that palatability of DRONTAL Plus TASTE TABS in privately owned dogs.

Investigators:

Laird Laurence, D.V.M.

Fredericksburg, TX

Richard Mauldin, D.V.M. Oklahoma City, OK

Roger Sifferman, D.V.M.

Springfield, MO

Animals: One hundred and fifty-one (151) client owned dogs between 6

months and 14 years of age, weighing between 3.8 pounds and 190 pounds. There were 86 females (61 spayed) and 65 males (42 neutered) representing 34 different breeds. Endoparasite infection

was not required for enrollment.

Dosage Group: DRONTAL Plus TASTE TABS were offered to all of dogs

according to the labeled dosage, which provides at least 5 mg/kg each of praziquantel and pyrantel base, plus at least 25 mg/kg

febantel.

Route of Administration: Oral

Frequency of Treatment: Once

Duration of Study: One day for each dog

Study Design: DRONTAL Plus TASTE TABS were dispensed to owners based on the

body weight of their dog(s). Approximately half of the dogs were dispensed whole tablets, and half were dispensed either partial tablets or a combination of whole and partial tablets for testing purposes. DRONTAL Plus TASTE TABS were offered to the pet by the owner at home. Tablets were offered by hand for up to two minutes, and if not consumed in this manner were then placed in a food bowl for an additional two minutes.

Parameters Measured: The dog owner scored the acceptance of the DRONTAL Plus

TASTE TABS as follows:

- 1) All Tablets Consumed
- 2) No Tablets Consumed
- 3) Part of Tablets Consumed

Results: Acceptance of DRONTAL Plus TASTE TABS was scored as a success if the dog voluntarily ingested and consumed all of the DRONTAL Plus TASTE TABS within the four minutes the tablets were offered (an owner score of 1). Acceptance was scored as a failure if the tablet(s) were only partially consumed, or if no tablets were consumed within four minutes (an owner score of 2 or 3). Owners reported acceptance scores for 149 of the 151 dogs enrolled. Of these 149 dogs, a total of 133 dogs accepted DRONTAL Plus TASTE TABS (an owner score of 1), for a palatability success rate of 89.3%.

Adverse Reactions: One dog vomited 30 minutes after treatment, and another dog vomited 3 hours following treatment.

Conclusion: DRONTAL Plus TASTE TABS are palatable to dogs of various breeds, weights, and age.

3. TARGET ANIMAL SAFETY:

The approval of DRONTAL Plus TASTE TABS required no new target animal safety data as the formulation contains the same amount of active ingredients as the currently approved unflavored DRONTAL Plus Tablets. The approval of the TASTE TABS formulation is based on the effectiveness studies, chemistry, manufacturing and control information, and stability data.

4. HUMAN SAFETY:

This drug is intended for use in dogs, which are non-food animals. Because this animal drug is not intended for use in food-producing animals, data on human safety pertaining to drug residues in food were not required for approval of this NADA supplement. Human warnings are provided on the product label as follows: "Keep out of reach of children."

5. AGENCY CONCLUSIONS:

The data submitted in support of this NADA satisfy the requirements of section 512 of the Federal Food, Drug, and Cosmetic Act and 21 CFR Part 514 of the implementing regulations. The data demonstrate that DRONTAL Plus TASTE TABS when used under the labeled conditions of use are safe and effective for the removal of tapeworms (Dipylidium caninum, Taenia pisiformis, Echinococcus granulosus, and removal and control of Echinococcus multilocularis), and for removal of Hookworms (Ancylostoma caninum, Uncinaria stenocephala), Ascarids (Toxocara canis, Toxascaris leonina), and Whipworms (Trichuris vulpis) in dogs.

The drug is restricted to use by or on the order of a licensed veterinarian because professional expertise is needed to manage the serious public health concerns associated with the diagnosis and treatment of *Echinococcus granulosus and multilocularis*.

Under section 512(c)(2)(F)(iii) of the Federal Food, Drug, and Cosmetic Act, this approval qualifies for THREE years of marketing exclusivity beginning on the date of approval. The three years of marketing exclusivity applies only to the new palatable formulation for which this supplement is approved. The four laboratory studies conducted by the sponsor to demonstrate substantial evidence of effectiveness for the new palatable formulation provided the basis for exclusivity.

According to the Center's supplemental approval policy (21 CFR 514.106), this is a Category II change. The approval of this change is not expected to have any adverse effect on the safety or effectiveness of this new animal drug. Accordingly, this approval did not require a reevaluation of the safety and effectiveness data in the parent application.

A U.S. patent for DRONTAL Plus TASTE TABS has been applied for. The application is pending.

6. ATTACHMENTS:

Facsimile labeling is attached as indicated below:

- a) Package insert
- b) Blister labeling
 - 1. Small
 - 2. Medium
 - 3. Large
- c) Dispensing carton
 - 1. Small
 - 2. Medium
 - 3. Large

0.H



Broad Spectrum Chewable Antheimintic Tablets for Dogs Taste Tabs® (praziquantel/pyrantel pamoate/febantel)

Drontal Plus

Drontal® Plus

(praziquantel/pyrantel pamoate/febantel) Taste Tabs® Broad Spectrum Chewable Anthelmintic Tablets for Dogs



CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarien

DESCRIPTION: Drontal® Plus Taste Tabs® (praziquantel/pyrantel pamoate/febantel) Broad Spectrum Chewable Anthelmentic Tablets for Dogs are available in three tablet sizes. Each size is scored for convenient oral administration.

Each Orontal Plus Teste Tabs Tablel for Puppies and Small Dogs contains 22.7 mg praziquantel. 22.7 mg pyrantel base as pyrantel pamoate and 113.4 mg febantel.

Each Drontal Plus Testo Tabs Tablet for Medium Sized Dogs contains 68.0 mg praziquantel, 68.0 mg pyrantel base as pyrantel pamoate and 340 2 mg febantel

Each Drontal Plus Taste Table Tablet for Large Dogs contains 136 0 mg praziquantel, 136 0 mg pyrantel base as pyrantel pamoate, and 680.4 mg febantel.

ACTION: Drontale Plus Taste Tabse Tablets contain three active ingredients having different modes of action and spectra of activity. Praziquantel is active against cestodes (tapeworms). Praziquantel is absorbed, metabolized in the liver and excreted in the bile. Upon entering the digestive tract from the bile, cestocidal activity is exhibited 1 Following exposure to praziquantel, the tapeworm loses as ability to resist digestion by the mammalian host. Because of this, whole tapeworms, including the scolices, are very rarely passed after administration of praziquantal. In many instances only disintegrated and partially digested pieces of tapeworms will be seen in the stool. The majority of tapeworms are digested and are

Pyrantel pamoate is active against hookworms and ascarids. Pyrantel pamoate acts on the cholinergic receptors of the nematode resulting in spastic paralysis. Peristaltic action of the intestinal tract then

Febantel is active against nematode parasites including whipworms. Febantel is rapidly absorbed and metabolized in the animal. Available information suggests that the parasite's energy metabolism is blocked, leading to energy exchange breakdown and inhibited glucose uptake.

Laboratory efficacy and clinical studies conducted with Drontal Plus Anthelmintic Tablets demonstrate that each of the three active ingredients act independently without interference. The combined tablet in domestic dogs and cats and is potentially a serious public health concern because it may formulation provides a wide spectrum of activity against the Indicated species of intestinal heliminths

INDICATIONS: Drontal® Plus (praziquante/pyrante) pariosate/febental) Taste Tabs® Broad Spectrum The life cycle of the parasite is based on a predator-prey relationship as depicted. Chewable Anthelmintic Tablets are indicated for removal of Tapeworms (Dipylidium caninum, Taerila pisiformis. Echinococcus granulosus, and removal and control of Echinococcus multilocularis) and for removal of Hookworms (Ancylostoma caninum, Uncinaria stenocephala), Ascarids (Toxocara canis, Toxascaris leonina), and Whipworms (Trichuris vulpis) in dogs

CONTRAINDICATIONS: DO NOT USE IN PREGNANT ANIMALS Dogs treated with elevated levels (6 consecutive days with 3 times the labeled dosage rate) of the combination of febantel and praziquantel in early pregnancy demonstrated an increased incidence of abortion and fetal abnormalities.8 The effects of Drontal® Plus Anthelmintic Tablets on pregnant animals have not

There are no known contraindications against the use of praziquentel or pyrantel pamoate in dogs.

PRECAUTIONS: Strict hygienic precautions should be taken when handling dogs or feces suspected of harboring E multilocularis. Infected dogs treated for the first time with Drontal® Plus Taste Tabs® Tablets and dogs treated at intervals greater than 28 days may shed eggs in the faces after treatment. The animal should be held in the clinic during this interval and all feces should be incinerated or autoclayed. If these procedures are not possible, the eggs can be destroyed by scaking the faces In a sodium hypochlorite (bleach) solution of 3.75% or greater.7 All areas where the animal was maintained or in contact with should be thoroughly cleaned with sodium hypochlorite and allowed to dry completely before reuse.

WARNING: KEEP OUT OF REACH OF CHILDREN.

USE DIRECTIONS

DOSAGE: The presence of parasites should be confirmed by laboratory fecal examination. Weigh the animal before treatment. Administer the proper dosage as specified in the following table as a single oral treatment.

DRONTAL® PLUS TASTE TABS® TABLETS DOSAGE CHARTS for Madina Can't Can't

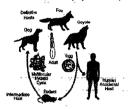
	(2 - 25 lbs)		(26 - 60 lbs.)		d greater)
Body Wt' (lbs.)	No. of Tablets	Body Wt (lbs.)	No. of Tablets	Body Wt. (ibs.)	No of Tablets
2 - 4	0,5	26 - 30	1.0	45 - 60	10
5 - 7	1.0	31 - 44	15	61 - 90	15
8 - 12	15	45 - 60	20	91~ 120	2.0
13 - 18	20				
19 - 25	2.5			*	

NOT FOR USE IN PUPPIES LESS THAN 3 WEEKS OF AGE OR DOGS WEIGHING LESS THAN

ADMINISTRATION: Most dogs find Drontal® Plus Taste Tabs® Tablets very palatable. The tablets may be offered to the dog by hand. Alternatively tablets may be given directly by mouth or offered in a small amount of food. Fasting is neither necessary nor recommended prior to or

RETREATMENT: For those animals living where reinfections are likely to occur, clients should be instructed in the steps to optimize prevention; otherwise, refreatment may be necessary. This is true in cases of Dinvliduum caninum where reinfection is almost certain to occur if fleas are not removed from the animal and its environment. In addition, for control of Echinococcus multilocularis, a program of regular treatment every 21 to 26 days may be indicated (see E. multilocularis section

ECHINOCOCCUS MULTILOCULARIS: Echinococcus multilocularis is a tapeworm species usualli found in wild canids, including toxes, coyotes and wolves. The parasite has also been identified



The adult tapeworm is small (1-4mm) and resides in the intestinal tract of the definitive host (wild or domestic canids). Eggs from the adult tapeworm are shed in the feces. Rodents such as mice and voles serve as the intermediate host. Eggs ingested by rodents develop in the liver, lungs and other organs to form multilocular cysts. The life cycle is completed after a canid consumes a rodent infected with cysts. Larvae within the cyst develop into adult tapeworms in the intestinal tract of the canid, Eggs may be passed in the feces of the canid approximately 28 days later.

This parasite poses a serious public health problem because of the possibility for human involvement in the life cycle. If eggs shed by an infected canid are accidentally ingested, a highly pathogenic condition (Alveolar Hydetid Disease) results from development of the cyst stage in humans

The original geographic distribution of E. multilocularis was primarily confined to northern areas of North America. Current evidence indicates migration of the parasite well into the continental United

Domestic dogs living in E. multilocularis endemic areas that roam treety with the opportunity to catch wild rodents are at risk of infection. Pet owners should be advised on how to minimize this risk. Proper restraint of dogs should be encouraged, along with regular treatment with Drontal® Plus Taste Tabs® Tablets, following the dosing schedule aforementioned and precautions indicated below

Additional information on the life cycle and epidemiology of this parasite is available in veterinary parasitology texts.5,6

DIAGNOSIS: Diagnosis of E. multilocularis in canids is difficult. The adult tapeworm produces no clinical signs of infection. Tapeworm segments (proglottids) are usually not observed in the feces E multillocularis eggs, observed using microscopic fecal examination procedures, are similar in appearance to those of common species such as Taerila pisiformis

Assistance in the diagnosis of E. multilocularis may be available from a state veterinary diagnostic laboratory. Additional information regarding areas where E. multilocularis is suspected or has been confirmed may be obtained from area veterinary schools or the Centers for Disease Control in

TREATMENT: Dogs infected with E. multilopularis should be treated to prevent exposure of humans to infective eggs and to break the parasite's life cycle,

The dosage of Drontal® Plus Taste Tabs® Tablets for removal of E multilocularis is the same as that indicated for the removal of the other tapeworm species listed on the label Laboratory efficacy studies conducted with Drontal Plus tablets have demonstrated the recommended dosage is 100% effective.

Under condition of continual exposure to wild rodents, retreatment of the dog at 21-26 day intervals is recommended to prevent the shedding of infectious eggs

EFFICACY: A total of 176 dogs and puppies with naturally acquired or experimental parasite infections were included in 4 well-controlled laboratory studies to establish the efficacy of Drontal® Plus Anthelmintic Tablets. In addition, 103 dogs and pupples were included in clinical field studies conducted in 5 veterinary clinics at different geographic locations throughout the United States to further evaluate safety and efficacy. These studies included dogs of various sizes, ages and breeds. Data from these studies demonstrated Drontal Plus Anthelmintic Tablets are safe and efficacious for the removal of the parasite species indicated on the label when used as directed

roundworm eggs may be passed in the feces for up to 7 days after treatment although the worms prazquantel, 61 mg pyrantel pamoate and 305 mg febantel/kg with one dog having an elevated 6 Soulsby EJL. 1982. Helminiths, Arthropods and Protozoa of Domesticated Animals. 7th Edition themselves were eliminated. A follow-up fecal examination should be conducted 2 to 4 weeks after treatment to determine the need for retreatment.

Palatability: Palatability studies with Drontal® Plus Taste Tabs® Tablets were conducted at 3 different veterinary clinics in the United States. These studies included a total of 151 dogs (65 males / 86 females) representing 34 different breeds with body weights ranging from 3.8 - 190 lbs. The tablets were offered free-choice to the dogs by their owners and over 89% of the dogs willingly consumed

ADVERSE REACTIONS: None of the 103 dogs treated with Drontal® Plus Anthelmintic Tablets in the clinical field studies exhibited drug-related side effects. Of the 40 dogs treated with Drontal Plus Code 08892051: 40 tabs/box for Medium Sized Dogs Taste Tabse Tablets in laboratory studies, two dogs exhibited vomiting, one puppy exhibited Code 08892078: 90 tabs /box for Large Dogs bloody/mucoid stool and one puppy exhibited watery/profuse stool.

For customer service or to obtain product information, including Material Safety Data Sheet, call 1-800-633-3796. For medical emergencies or to report adverse reactions, call 1-800-422-9874

ANIMAL SAFETY: Controlled safety evaluations have been conducted in dogs with Drontal® Plus (praziquantel/pyrantel pamoate/febantel) Anthelmintic Tablets. Dogs receiving up to 5 times the label dosage (35 mg praziquantel, 35 mg pyrantel parnoate and 179 mg febantel per kg of body weight) for 3 consecutive days (3 times the label duration) showed clinical signs of vomition and non-formed stools. One dog receiving a 3 times labeled dose had elevated SGP1, SGOT, CPK and GGT readings (outside of normal range) at 6 days post-treatment. No additional findings were noted in hematology/clinical chemistry parameters nor were there any treatment-related histological states. J. Parasit. 58(6): 1141-1150

SGPT reading (outside of normal range) at 24 hours post-treatment which had returned to normal

STORAGE CONDITIONS: Drontal® Plus Taste Tebs® Tablets should be stored at or below 77 °F

Un-blistered whole or partial tablets should be stored in a tightly sealed container.

HOW SUPPLIED: Drontal® Plus Taste Tabs® Tablets are available in three tablet sizes:

Code 08758428, 40 tabs/box for Pupples and Small Dogs

REFERENCES:

1 Andrews P. 1976 Pharmacokinetic Studies with DRONCIT® in Animals Using a Biological Assay Veterinary Medical Review. 2:154-165.

² Campbell WC. 1986. The Chemotherapy of Parasitic Infections. J. Parasit. 72(1):45-61.

³ Hildreth MB Johnson MD and Kazacos KR, 1991 A Zoonosis of Increasing Concern in the United States. Compendium for Cont Ed 13(5): 727-740

4 Lieby PD Camey WP and Woods CE 1970 Studies on Sylvatic Echinococcosis, Ill Host

Results obtained in the laboratory and clinical studies indicate small numbers of hookworm or lesions Vomition was the only side effect observed when dogs received a single treatment of 61 mg 5 Georgi JR and Georgi ME 1990, Parasitology for Veterinanans. W.B. Saunders Co 118-138

Lea & Febiger 118-138

7 Craig PS and McPharson CNL, 1988 Sodium Hypochlorite as an Ovicide for Echinococcus Ann Trop Med, and Parasit. 82(2): 211-213

Freedom of Information Summary (FOI) NADA 133-953 Vercom Paste (febantel and praziquantel).

June, 2005

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Bayer HealthCare LLC Animal Health Division Shawnee Mission, Kansas 66201 USA

NADA 141-007, Approved by FDA

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Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel,22.7mg/ pyrantel pamoate,22.7mg/febantel,113.4mg) Bayer HealthCare LLC, Animal Health Div. Lot Exp	Drontal Plus Taste Tebs Pups & Small Dogs (praziquantel, 22,7mg/ pyrantel pamoate, 22,7mg/febantel, 113,4m Bayer HealthCare LLC, Animal Health Div. Lot Exp
Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel, 22.7mg/ pyrantel pamoate, 22.7mg/febantel, 113.4mg) Bayer HealthCare LLC, Animal Health Div. Lot Exp	Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel, 22.7mg/pyrantel pamoate, 22.7mg/febantel, 113.4m Bayer Health Care LLC, Animal Health Div. Lot Exp
Drontal Plus Taste Tabs Pups & Small Dops (praziquantel, 22.7mg/ pyrantel pamoate, 22.7mg/febantel, 113.4mg) Bayer Health Care LLC, Animal Health Div. Lot Exp	Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel, 22.7mg/ pyrantel pamoate, 22.7mg/febantel, 113.4m Byaer HealthCare LLC, Animai Health Div. Lot Exp
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Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel, 22.7mg/ pyrantel pamoate, 22.7mg/febantel, 113.4mg) Bayer Health Div, Lot Exp	Drontal Plus Taste Tabs Pups & Small Dogs (praziquantel, 22.7mg/ pyrantel pamoate, 22.7mg/febantel, 113.4m Bayer Health Care LLC, Animal Health Div. Lot Exp



REVISION HISTORY

FACTORY TICKET - 21264 SD Drontal plus taste tabs

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06-27-2005	New Item - proof from .cbd file	
		
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Drontal Plus Taste Tabs Medium Sized Dogs (praziquantel,68mg/ pyrantel pamoate,68mg/febantel,340.2mg) Bayer HealthCare LLC, Animal Health Div. Lot Exp	Drontal Plus Taste Tabs Medium Sized Dogs (praziquantel,68mg/ pyrantel pamoate,68mg/febantel,340.2m Bayer HealthCare LLC, Animal Health Div. Lot Exp
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Drontal Plus Taste Tabs Medium Sized Dogs (praziquantel,68mg/ pyrantel pamoate,68mg/febantel,340,2mg) Bayer HealthCare LLC,Animal Health Div.	Drontal Plus Taste Tabs Medium Sized Dogs (praziquantel,68mg/ pyrantel pamoate,58mg/febantel,340.2mg Bayer HealthCare LLC, Animal Health Div. Lot Exp
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REV	ISION HISTORY	FACTORY TICKET - 21264 MD Drontel plus taste tabs	
06-27-2005	New Item - proof from .dd file		

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Drontal Plus Taste	Tabs	Drontal Plus Taste Tabs
	(praziquantel,136mg/	For Large Dogs (praziquantel,136mg/
	136mg/febantel,680.4mg)	pyrantel pamoate,136mg/febantel,660A
	LC, Animal Health Div.	Bayer HealthCare LLC, Animal Health Div.
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pyranter pamoate,	36mg/febantel,680.4mg)	pyrantel parnoate, 136mg/febantel,680.4
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	REV	ISION HISTORY	Drontal plus taste tabs		
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(proziquentel/pyrantel parroate/tebantel)

40 Taste Tabs 44 strips of 10 Tablets

Broad Spectrum Chewable Anthetmintic For Puppies and Small Bogs (2-25 lbs.)

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian





Bayer

Each Orontel Pius Tasto Tetra Teblei contains 22 7 mg prazequaniei, 22 7 mg pyrantel base as pyrantei pernoate, and 113 4 mg febantel

Rayer Hasilicare LLC, Atlens Health Division Sharmer Mossion, Kansas 66201 USA NADA 141-007, Approved by FDA

WARNING KEEP OUT OF REACH OF CHILDREN

For Pupples & Small Dogs (2-25 lbs.)

For Puppies & Small Dogs (2-25 lbs.)

40 faste fabs 49 stribs of 10 fabless)





CAUTION: Texteral (U.S.A.) law restricts (this drug to use by or on the order of a licensed veterinarian.



Bayer, the Beyer Cross, Drontal and Teste Tabs are registered trademarks of Bayer

40 Taste Tabs® (4 strips of 10 Tablets)

Dröntal Plus (proziquantel/pyrantel pamoate/febantel)

Broad Spectrum Chewable Anthelmintic For Puppies and Small Dogs (2-25 lbs.)

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian





Each Dronta® PiceTissto/Tobe® Tablet centans: 22 7 mg praziquantal, 22 7 mg pyrantel base as pyrantel pamoate, and 113.4 mg febantel

Bayer

Bayor HealthCare LLC Asknal Health Devision Showcoo Misson, Kanass 80201 USA NAOA 141-007 Approved by FDA WARNING KEEP OUT OF REACH OF CHILDREN

Each Drontal®Plus Taste Table Table contains: 22.7 mg praziqueniai, 22.7 mg pyrantet besse as pyrantet persoals, and 113.4 mg febanist

133.4 mg sybansis, indications: For engines of Telephicima (Dispristan canhum, Tenne philorimia, Enhoncoccus grundanui, mili memoral and control of Echinococcus melliocularios for engova of telophocoma (Legiotatima carriers, Uniciparia satemoaphalui, Sacardio 1 (Tolonama candi, Devapora-Rocinia); and Virlapiatimia (Trichiura sudjus) in diope.

in dogs.

Dosage: The presence of paraches should be continued by laboratory facal accumulation. Weigh the enhance before treatment. Administrative the proper dosage as especified in the Optioning table as a single oral insertment.

Torolina Plus Tester Tobs.

Tablets for Puppies and Small Dogs.

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(2-25 ps.)

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Advisition traitors, Moel dogs and Drontal
Plan Takes Takes Takes very pickholds.
The tabless may be offered by the dogs by
hand, Alternatively, tabless may be given
drovely by smooth or delived in a small
amount of food, Fooding in peaking
mount of food, Fooding in peaking
fooding to the delivery fooding and
additional mountains of the delivery
foodings or readminished point to or
addition trainment.

seast resement.

Contraindications: DO NOT USE IN
PRECENTIANT ANSWALS. The effects of
Drovial Plus Tissle Tabs Tablets on
prognant animals have not been
determined.

determined.

Storage Contilitions, Donel Pus Tasse
Tass Tables should be sored at or below
TTF (25° C). Un-bissed whole or partiel
tables should be sored at a tighty eased
container.

Consult package insert for
further details

Bayer

Bayer Health Care LLC, Anima Health Div Sharance Mission Kanuae 65201 USA MADA 141-007, Approved by FDA MADA 161-007, Approved by FDA information, including Material Selery Data Shoet, call 1-500-633-3796

For resident exempenden er to popult adverse reactions cell 1-800-422 9874

Medium Dog Thermoform



40.Taste Tabs® (4 strips of 10 Tablets)

Dröntal Plus
(principal periode / ebenia)

Broad Spectrum Chewable Anthelmintic

CAUTION: Federal (U.S.A.) law restricts this drug to

use by or on the order of a licensed vetermanan.

For Medium Sized Dogs (26-60 lbs.)

For Medium Sized Dogs

40 faste Tabs' (4 strips of 10 fablets)



Broad Spectrum
Chewable Antheimintic
CAUTION: Federal (U.S.A.)
law restricts this drug to
use by or on the order of
a licensed veterinarian.

Bayer Bayer the Bayer Cross, Orontal and Takes Tebs are registered trademarks of Sayer 40 Taste Tabs[®] (4 strips of 10 Tablets)

Dröntal Plus (prozigouetel/pyrontel parronte/feboniel

Bread Spectrum Chewable Anthelmintic For Medium Sized Dogs (26-60 lbs.)

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.



Each Brontal* Plus Taste Tabs* Tablet contains. 88 0 mg praziquentet, 68 0 mg pyrantet base as pyrantet pamoate, and 340,2 mg febantet

Bayer

Bayer HealthCare LLC, Animal Health Division Shawing Waston Kansas 46201 USA NADA 141-007 Approved by FDA

contains: 68.0 mg practice partial, 58.0 mg pyramter base as pyramical purriode, and 340.2 mg febaniel.

Indications: For removal of Tipseworms (Dipyletium cannom. Teanie pisitoryna: Echinococcus granulpuis, and finebola and copint of Echinococcus finebola For cinnyla of Hockworms (Aniylotalom-conicus, Université genoaphilia, Accades (Toxocom cianis, Totalcenis Accades (Toxocom cianis, Totalcenis Aconfiel), and Whipworms (Trickuris vulpe) in dogs.

Dosage: The presence of pensities should be confirmed by teberatory feed examinations. Weigh the animal before treatment. Administer the proper dosage as apposited in the following table as a single coal treatment.

Directal Plus Taste Table Tablets for Medium Signed Days (26-60 bs.): Stody Mr. (lbs) Fig. Taste Table 3-44 1.5 45-60 2.0

Adjustrialization: Most slage find Droutst Paul Taske Table svery protective. The leaking rate of offered to the dop by hard Allernatively, tablete may be given directly by most or offered in a sinst amount of food Fasting is neither nicessay nor incommended prior to after treatings.

Contraindications. DO NOTUSE IN PREGNANT ANNALS. The effects of Droval Plus Tatle Table Tablets on pregnancial Rust Table Tablets on pregnancials incut not been determined.

Storage Conditions: Eronte Plus Teste
Table Teblets should be stored at or below
72° F. (22° C.). Implicate ppt whole or partial
tablets should be stored in a lightly sealed
container.

Consult package Insert for further details.



For customer starfice of to piblian product information, including Material Selfoly Data Sheet, cold 1-800-633-3798

For medical emergencies or to report advance reactions cell 1-800-422-9874 © 2005 Bayer HealthCare LLC

WARNING KEEP OUT OF REACH OF CHILDREN

Lot No Exp. Detri 68892661 R 3

Bayer

Each Drontel* PlusTasie Table* Tablet contains 68.0 mg preziquentel, 88.0 mg pyrantel base as pyrantel pernoste, and 340.2 mg febanio!

WARNING, KEEP OUT OF REACH OF CHILDREN

Bayer Bayer

Bayer HealthCare LLC, Animal Health Division Shances Michiga Kansas 56201 USA NADA 141-007, Approved by FDA

Large Dog Thermoform

Drontal Plus

30 Taste Tabs® (3 strips of 10 Tablets)

Dröntal Plus (pariguated princial pariotic)

Broad Spectrum Chewable Anthelmintic For Large Dogs (45 lbs. and greater)

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed vetermarian.



Bayer

Each Drontal* PlusTestsTabs* Tablet contains 136.0 mg praziquentel 136.0 mg pyrantel base as pyrantel pamoate, and 880.4 mg tebantel

Bayer

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed vetermarian.

30 Taste Tabs (3 strips of 10 Tablets)

Bayer, the Bayer Cross, Drontel and Yaste Yaste are recistored trademarks of Bayer

WARNNO REEP OUT DE REACH DE L'ALLORE

tol No. Exp. Data 06892078, R.O

30 Taste Tabs® (3 strips of 10 Tablets)

(proxiquentel/pyrantel personte/febratel)

Bread Spectrum Chewable Antheimintic For Large Dogs (45 lbs. and greater)

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Each Orontal*PlusTasteTable* Tablet contains 136.0 mg praziquantet, 136.0 mg pyrantal base as pyrantet parnoate, and 680.4 mg febentel

Bayer

Bayer HeelthCare LLC Amenat Health Division Shawnes Wassion, Kanase 69201 USA NADA 141-907, Approved by FDA

Each Debrate⁴ Plan Tasks Table⁵ Tables contains: 136.0 mg entriquente, 136.0 mg phrasisti basis as dynamici particists, and 880 4 mg fabanet

Indications: For removal of Tapeworms Indications: For retional of Tapeworn (Dopyldium carinum, Tainia pistomis, Echinococus granulasus, and renoval and control of Echinococus musticosis For removas of Bookernsis (Aucylostom

Dosage: The presence of paraties should be confirmed by internatory fecal examination. Weigh the animal before treatment: Administer the proper desage as apposited in the following lable as a single oral treatment.

Drontal Plus Taste Tale Tebiols for Large Dogs (45 tils, and greater)

(45 tos. and grea Body Wt. (lbs.) 45-60 61-90 91-120

No. Testé Taba 1.0 1.5 2.0

Administration: Most dogs find Dromal Plus Tasley Tables trapped very palstable. The tables may be differed by the dog by trapped. Attentitisely, tables may be given insulpy by month or differed in a small amount of food Facility is neither microstasy not enconversided prior to or after treatment.

Contraintifications: DO NOT USE IN STEGMANT ARBANAS. The stream of Double Plus Table Table Technique pregnent animals have not been determined

Storage Conditions, Dente Pus Tasts Tabs Tablets should be stored at or below 77° F (25° C). Un-bistered whole or partie

Consult package insert for further details

Bayer

Bayer Health Care LLC Animal Health Shawnee Manker, Karssee 65201 US NADA 141-607, Approved by FDA

For customer serves or to obtain product information, including Material Safety Date Sheet, cell 1-800-633-1796

For medicat envergencies or to report advance resolibits call, 1-800-422-9874

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